

Electronic traceability solution for Norwegian mackerel

How can the traceability software "eSporing" be used in traceability documentation in the Norwegian mackerel chain?

Results from tests made in the project; [MainSafeTeraceJapan](#)

Eskil Forås and Maitri Thakur

SINTEF Fisheries and aquaculture

Preliminary mackerell chain setup

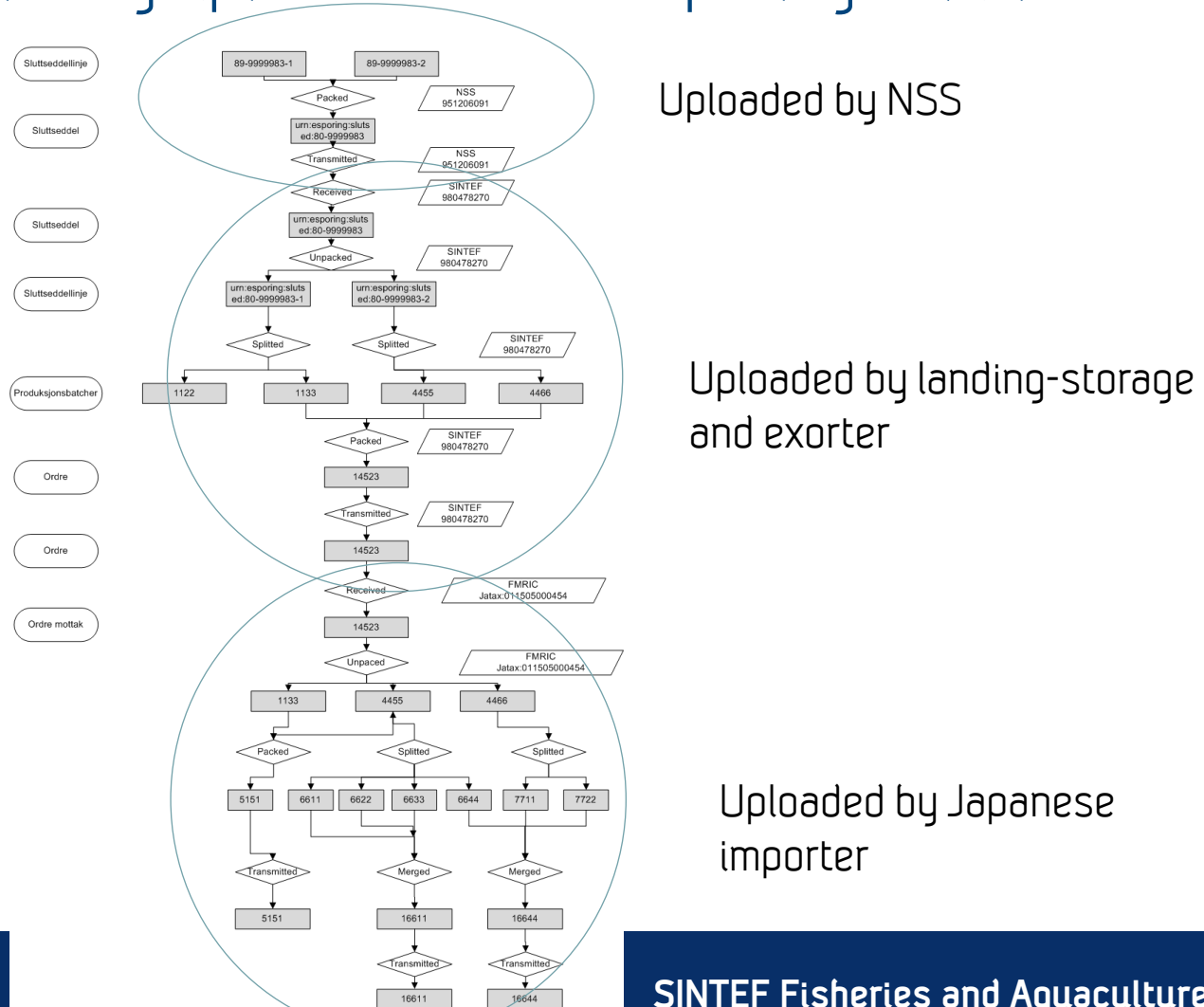
- The following individual users of eSporing was established

Norges
Sildesalgslag

SINTEF
Fisheries and
aquaculture (represents Norwegian fish
landing, storage and
export companies)

Food Marketing
Research &
Information Centre
(Represents the Japanese
mackerell importers)

Traceability history uploaded to the eSporing solution



Information upload

- Traceability information is uploaded using different formats
- Web user interface (not used in the test)
- Webservices (used by NSS)
- MS Excel (used by SFH and FMRIC)

Sporbar enhet inn	Sporbar enhet inn eier	Leverandør	Tidspunkt for prosess	Hendelsestype	Ressurs	Sporbar enhet ut	Sporbar enhet ut eier	Kunde
	14523		20120124 10:10:00	Unpacked		1133		
	14523		20120124 10:10:00	Unpacked		4455		
	14523		20120124 10:10:00	Unpacked		4466		
	1133		20120124 11:00:00	Splitted		5511		
	1133		20120124 11:00:00	Splitted		5522		
	1133		20120124 11:00:00	Splitted		5533		
	1133		20120124 11:00:00	Packed		5151		
	4455		20120124 11:00:00	Splitted		6611		
	4455		20120124 11:00:00	Splitted		6622		
	4455		20120124 11:00:00	Splitted		6633		
	4455		20120124 11:00:00	Splitted		6644		
	4466		20120124 11:00:00	Splitted		7711		
	4466		20120124 11:00:00	Splitted		7722		
	5511		20120124 12:00:00	Merged		15511		
	5522		20120124 12:00:00	Merged		15511		
	5533		20120124 12:00:00	Merged		15511		
	15151		20120124 12:00:00	Transmitted				urn:esporing:jp:jatax:011505000556
	15511		20120124 13:00:00	Transmitted				urn:esporing:jp:jatax:011505000555
	6611		20120124 13:00:00	Merged		16611		
	6622		20120124 13:00:00	Merged		16611		
	6633		20120124 13:00:00	Merged		16611		
	16611		20120124 14:00:00	Transmitted				urn:esporing:jp:jatax:011505000557



Further work

- Further developed, improve and test report functionality
 - Specified templates
 - Catch Certificate?)
- Establish improved solutions for uploading information to eSporing
- Cost-benefit analysis of the use of eSporing in the Norwegian mackerel chain



VIKOMAR

Abstract of Catch certificate

12.02.2011

This document is an **abstract** of the catch certificate issued and validated electronically in

1 Document No and Issuer of Catch certificate				
Catch Certificate :		NO-851-20110123-77777		
Issued by		Norges Sildesalgslag		
2 Transport				
Name of exporter:		Vikomar	Address of exporter: aa, bb	
Country of exportation:		Norway		
Port / airport / other place of departure:		Molde		
Vessel name and flag:		TransporterToNippon NO		
List of containers :		ZCSU-583416-1, ZCSU-583045-9, JXLU-582156-5, JXLU-584004-		
3 Exported product(s)				
Species FAO	Product code	EU CN code	Product weight	
MAC	NO-030471	030431	1 234 000,00	
MAC	NO-030471	030431	2 234 000,00	
MAC	NO-030471	030431	4 234 000,00	
Total weight			7 702 000,00	
4 Catch(es)				
Fishing vessel Name	Registration number	Catch area	Landing date	Sales note number
Kings Cross	AA-1234-BB	NO-0012	2012-01-10	NO-80-123456
Liafjord	AA-4321-BB	NO-0123	2012-01-11	NO-80-123457
Sæbjørn	AA-4567-CC	NO-1234	2012-01-12	NO-80-123458